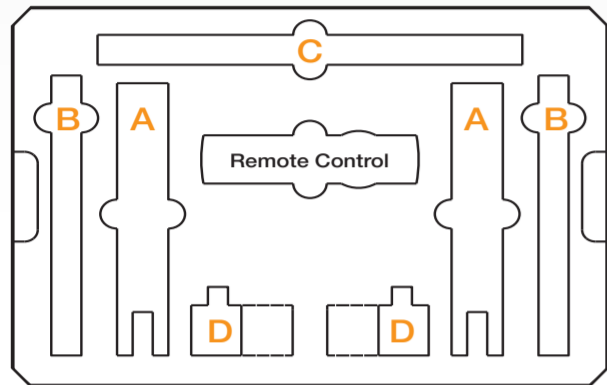


# Installing the TANDBERG Codec C90

This box contains:  
The TANDBERG Codec C90

- Top tray
- TRC V remote control
  - A. Rack profiles (2pcs)
  - B. Rack rear brackets (2pcs)
  - C. Rack extension brackets (2psc)
  - D. Rack ear profiles left/right (2psc)



- Accessories box and cable kit
- HDMI cable 3m
  - Ethernet cable 5m
  - Power cable (1,8m).
  - Batteries LR03 AAA 1,5V for the remote control
  - Screwdriver, combi 2mm/4mm Allen Key (unbraco)
  - Screws (M6 and M3) and cage nuts (M6)
  - Universal Rack Brackets\*

User Guides  
The user documentation for TANDBERG Codec C90 is found on the TANDBERG web site. Go to: <http://www.tandberg.com/docs>

\* Universal Rack Brackets: Use these only if the supplied rail based rack mounting kit does not fit your type of rack.

Rack Mounting  
**WARRANTY:** Rack mounting the codec without using any of the supplied mounting kit will void the warranty.



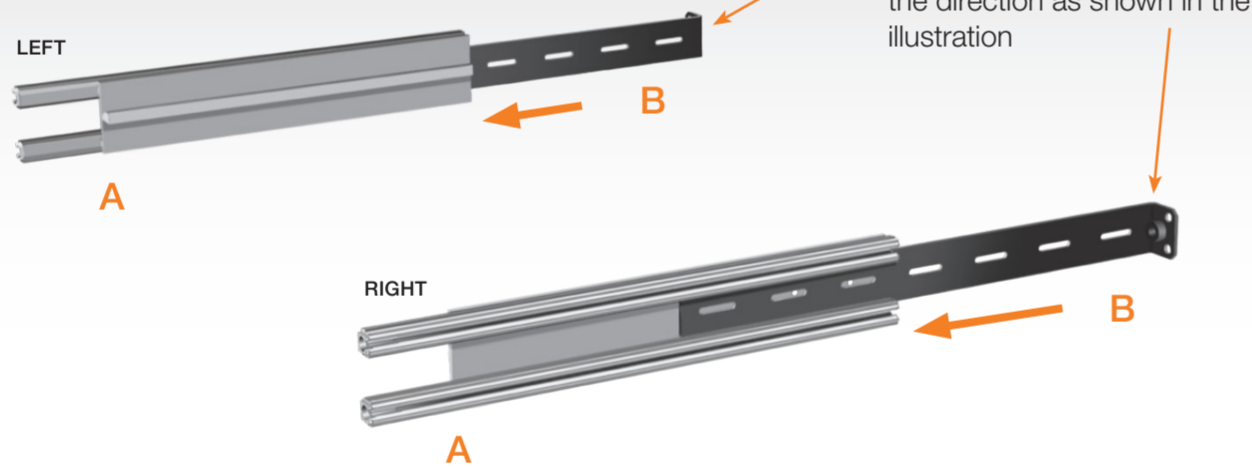
Please follow the steps in this installation guide when rack mounting the codec

TIP  
If the menu is not already present, press Home key or OK key on the remote control to open the menu. Navigate in the menu with the arrow keys.

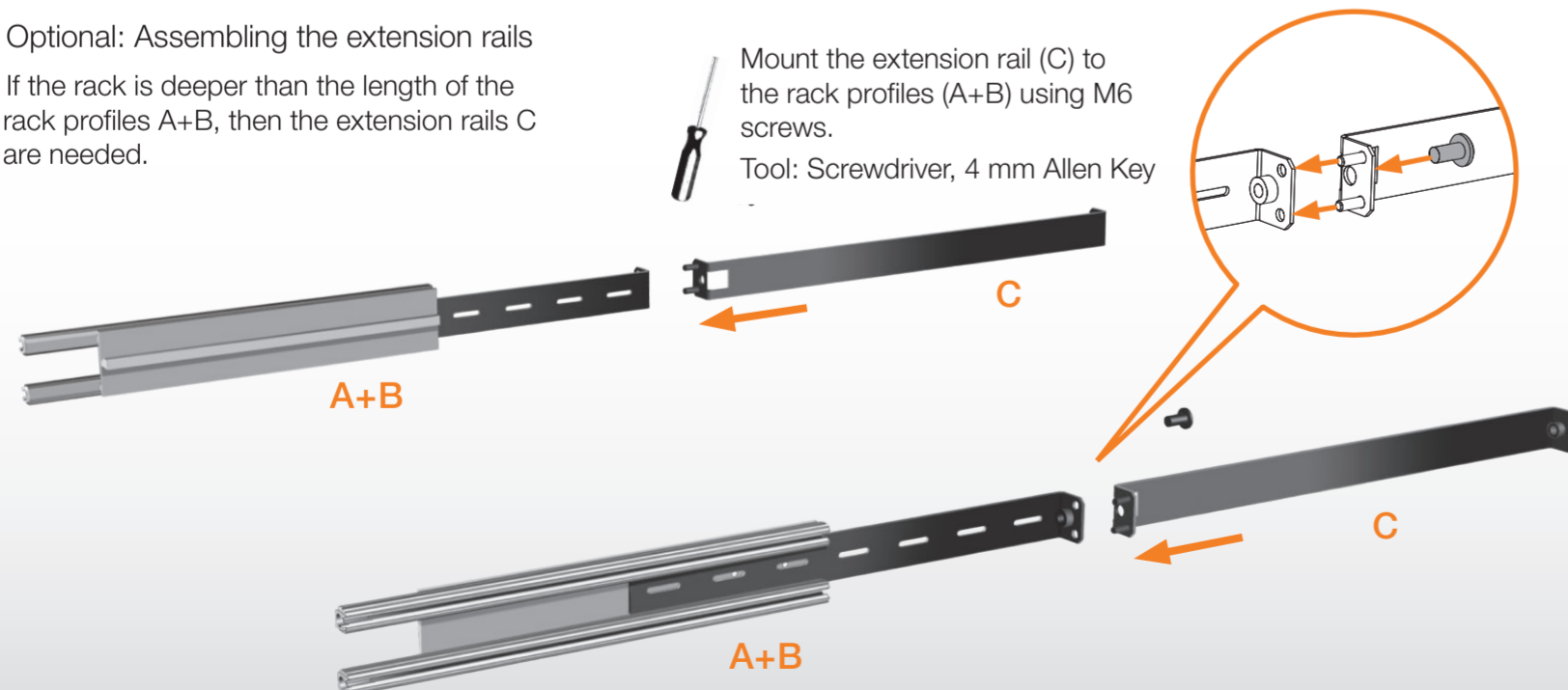


## Rack Mounting

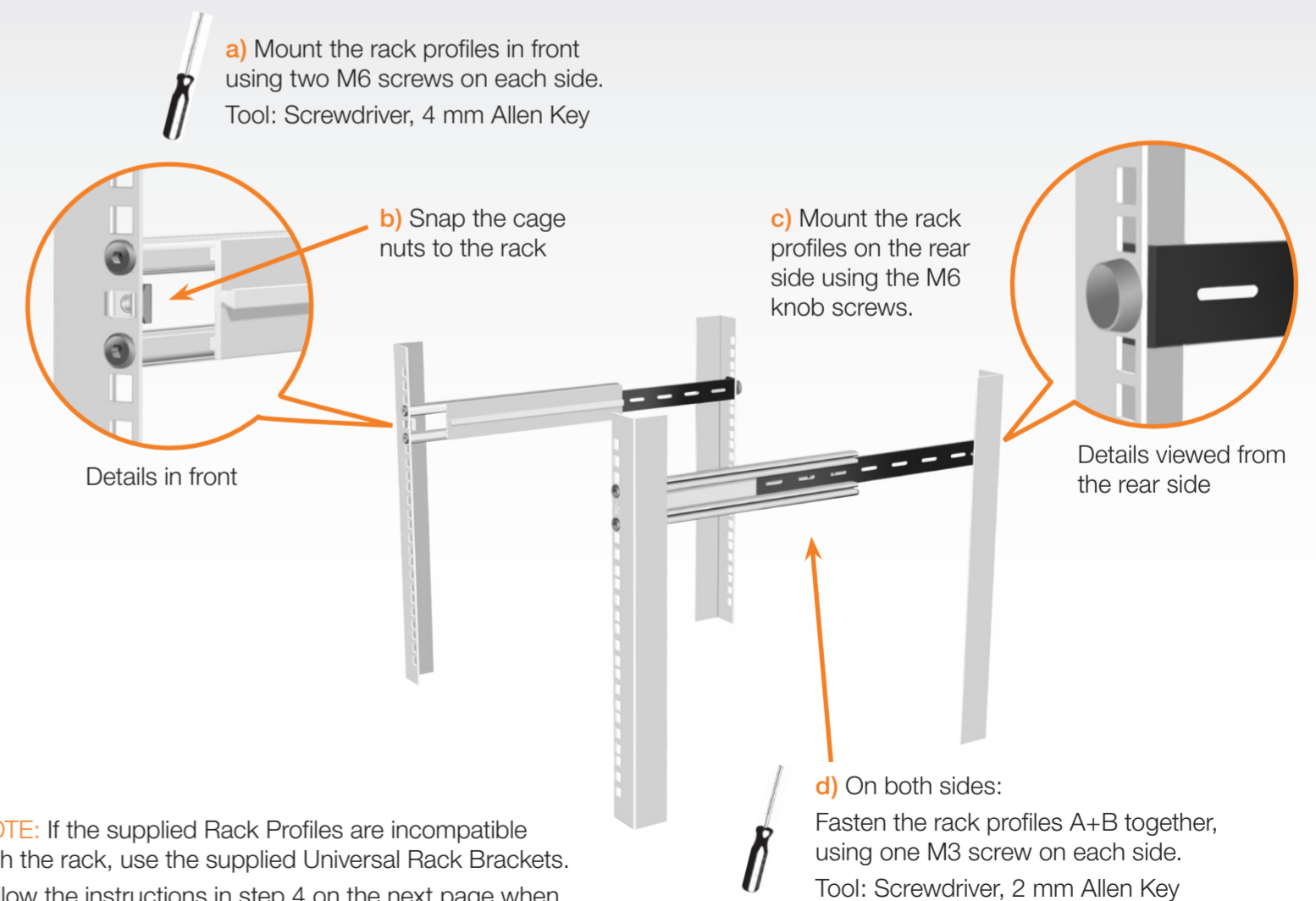
**1** Assembling the Rack Profiles  
Slide the rack profiles A and B together.



**2** Optional: Assembling the extension rails  
If the rack is deeper than the length of the rack profiles A+B, then the extension rails C are needed.

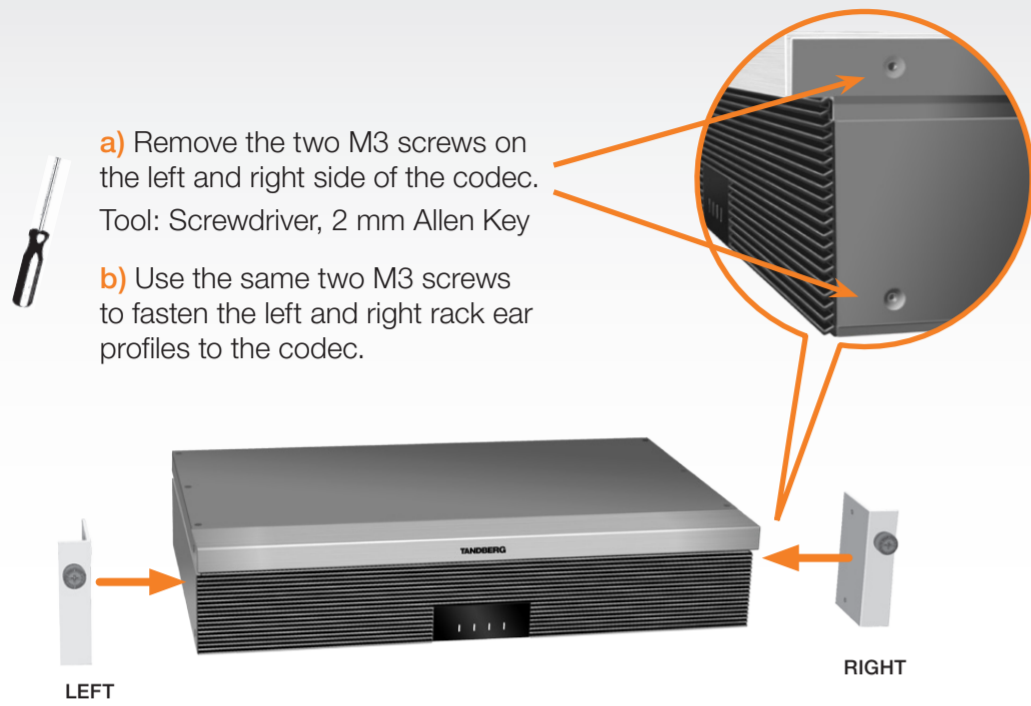


**3** Mounting the Rack Profiles to the Rack  
Mount the left and right rack profiles A+B(+C) to the rack. The screws, screwdriver and cage nuts are found in the accessories box.



# Installing the TANDBERG Codec C90

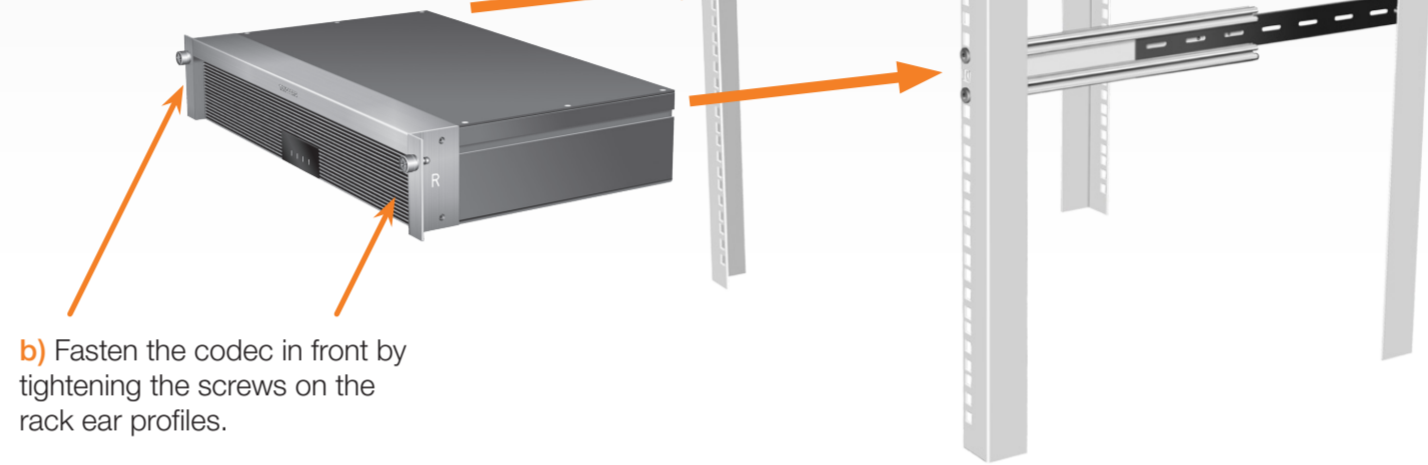
**4** Assembling the Rack Ear Profiles  
Mount the left and right rack ear profiles to the codec.



- a) Remove the two M3 screws on the left and right side of the codec.  
Tool: Screwdriver, 2 mm Allen Key
- b) Use the same two M3 screws to fasten the left and right rack ear profiles to the codec.

**5** Mounting the Codec onto the Rack  
Locate the rails and carefully slide the codec onto the rack.

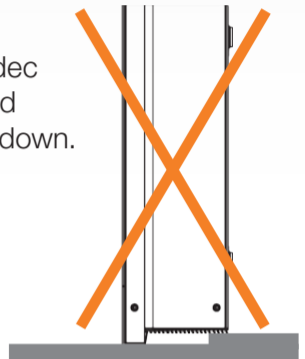
- a) Locate the rails on the codec and the rails on the rack. Lift the codec towards the rack and make sure the codec enters the rails. Carefully slide the TANDBERG Codec C90 into the rack.
- b) Fasten the codec in front by tightening the screws on the rack ear profiles.



**IMPORTANT!**  
There should always be a distance of minimum 10 cm (0.33 ft) free space in the front of the codec.



**WARNING!**  
Make sure the Codec C90 is not mounted with the front side down.



## Connecting Cables - TANDBERG Basic Setup

**6** Connecting Cables  
The TANDBERG Codec C90 offers a great flexibility in connecting audio and video equipment to the system.

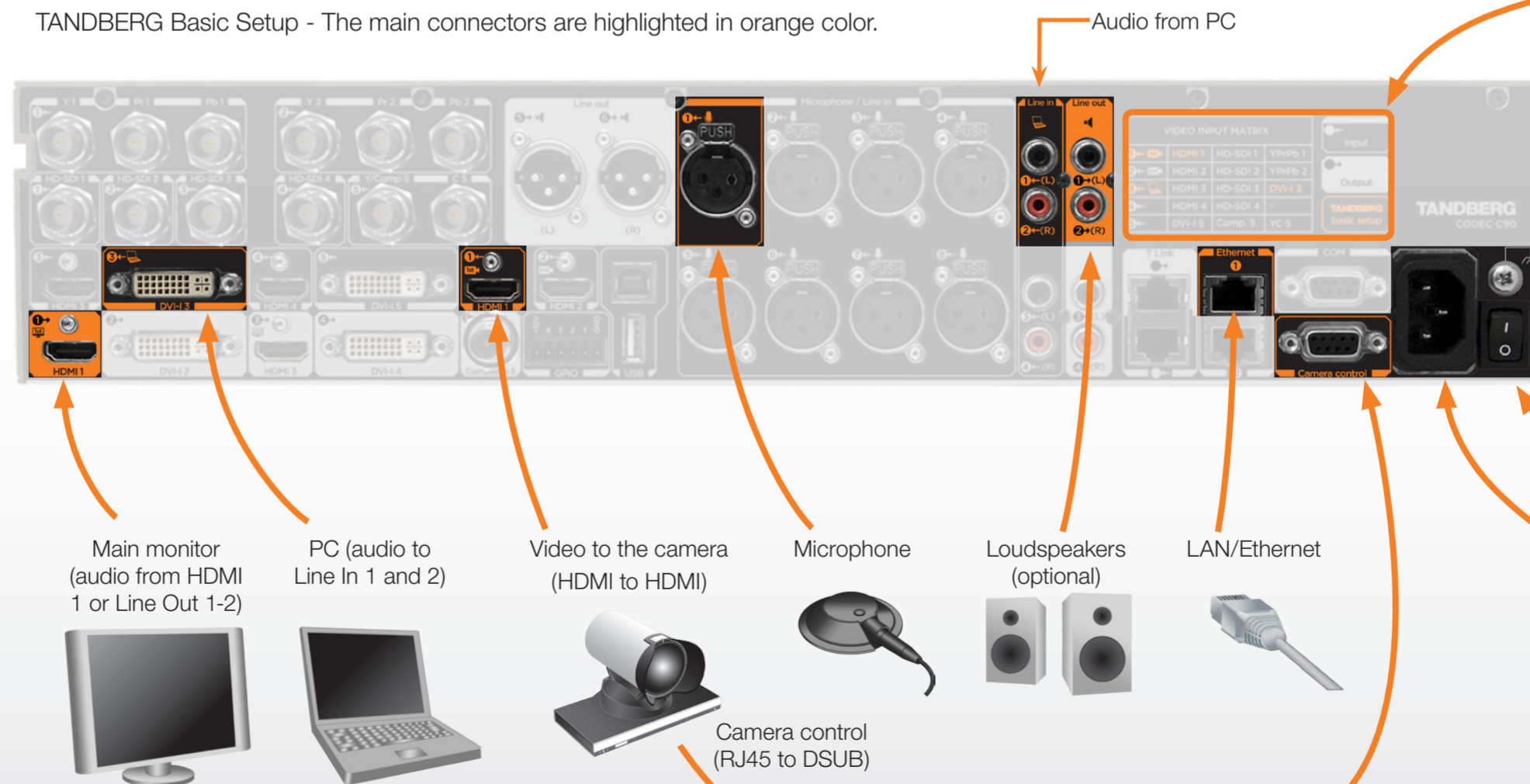
For a basic setup, you should go through these steps:

1. Connect the main camera to the HDMI 1 input using a HDMI to HDMI cable.
  - For camera control you should also connect the camera to the Camera Control input using the dedicated cable that came with your camera (RJ45 to DSUB).
2. Connect the monitor display to the HDMI 1 output using a HDMI to HDMI cable.
3. If you want to send images from a PC, connect the PC to the DVI-I 3 input, using a DVI to DVI cable (for digital signals) or VGA to DVI cable (for analog signals) depending on your PC's capabilities.
  - Audio from the PC could be connected to Line 1 and 2 inputs for stereo signals.
4. Connect a microphone to the XLR 1 input.
5. If the monitor speakers do not support audio over HDMI, connect the loudspeakers to the Line 1 and 2 outputs.
6. Connect the codec to the IP network using the Ethernet 1 interface.
7. Connect the power and use the power switch to turn the codec on.

**NOTE:** If using the DVI-I output (2 or 4) or HDMI 3 for the main monitor a shortcut is required to move the on screen display (OSD) to this output. On the remote control key in the following sequence:

- Disconnect - \* - # - \* - # - 0 - 2 - # (where 2 represents DVI-I 2)

TANDBERG Basic Setup - The main connectors are highlighted in orange color.



VIDEO INPUT MATRIX				
Input		Connector type		
1	1st Camera	HDMI 1	HD-SDI 1	YPrPb 1
2	2nd Camera	HDMI 2	HD-SDI 2	YPrPb 2
3	PC	HDMI 3	HD-SDI 3	DVI-I 3
4		HDMI 4	HD-SDI 4	—
5		DVI-I 5	Comp 5*	YC 5*

Only one video source from each row can be active at any time. Note that the Comp.5 and YC5 inputs uses the same physical connectors and can not be connected at the same time.  
\* Comp 5 and YC 5 are not active in version 1

INPUTS	OUTPUTS	TANDBERG Basic Setup
① ←	➔ ①	The main connectors for TANDBERG basic setup are highlighted in orange.

**Power Switch**  
After having connected the cables, you may turn the codec On.